Operating Instructions

STEREO RECEIVER

SX-255R

SPARE PARTS MASTER

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CONTENTS

CHECKING ACCESSORY ITEMS 2
CONNECTIONS 2
REAR PANEL FACILITIES 4
FRONT PANEL FACILITIES 5
REMOTE CONTROL UNIT FACILITIES 7
SETTING THE UNIT PRIOR TO OPERATION 8
LISTENING TO THE BROADCAST 8
PRESET TUNING 9
TO LISTEN TO OTHER MUSIC SOURCES 10
TAPE RECORDING 10
TROUBLESHOOTING 11
SPECIFICATIONS 12

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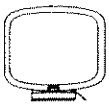
The Art of Entertainment

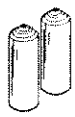
CHECKING ACCESSORY ITEMS

FM Antenna



AM Loop Antenna

Remote control unit



Dry cell batteries (SIZE "AA"(R6P))

CONNECTIONS

Setting up the AM Antenna

- Insert the claw on the bottom of the antenna into the hole in the leg.
- Place the antenna on a level surface and rotate it to locate the orientation that yields the best reception.
- Use the attachment hole in the leg to screw to wall or other location, then insert the claw on the bottom of the antenna into the hole in the leg (fixing the antenna in the direction that gives the best reception).

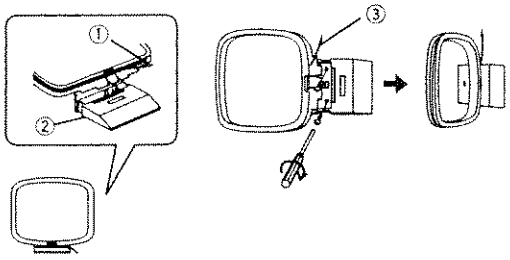
① Lead wire ② Leg ③ Lead wire

NOTE FOR FM ANTENNA:

Stretch the antenna out to its full length, and affix it to a wall, etc.

NOTE FOR AM LOOP ANTENNA:

The antenna should be placed at a distance from the receiver, and should not be allowed to touch metallic objects.
Avoid placing it near CD players, personal computers, television sets, and other devices generating radio frequencies.



EXTERNAL FM ANTENNA

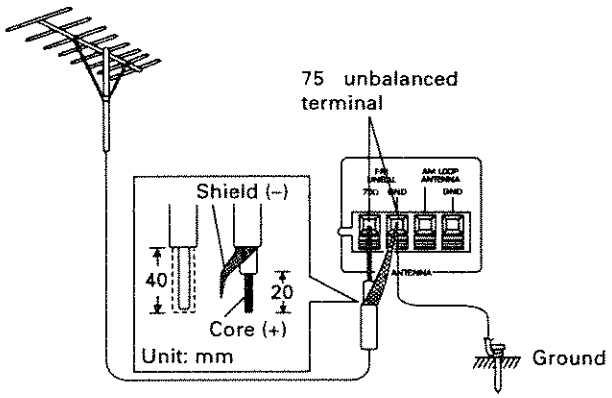
The main advantage of FM over AM is the quality of the broadcast signal. In order to benefit fully from the high signal quality of FM broadcasts, it is recommended that a special-purpose FM antenna be installed. In weak signal areas, a multi-element (3-element, 5-element, 7-element, etc.) antenna should be used.

FM OUTDOOR ANTENNA CONNECTIONS

There are two ways of connecting the FM antenna to the antenna input terminals: with a 300 twin-lead feeder or with a 75 coaxial cable .
To get the most performance from the receiver, a 75 coaxial cable is recommended since it is more immune than the twin-lead feeder to noise and interference from external sources. If an FM antenna has already been erected outdoors, connect it, referring to the figure.

Connecting the caxial cable

FN antenna



GROUNDING

Grounding is recommended if reception of FM programs is impaired by noise. To ground, connect a thick polyvinyl insulated wire to the GND terminal and attach the other end to a metal water pipe or grounding bar or wind it around a copper plate and bury it.

NOTE:

Never connect a wire to a gas pipe for grounding since sparks may ignite the gas.

EXTERNAL AM ANTENNA

If it is not possible to obtain adequate AM reception even by changing the orientation of the AM loop antenna, a separate indoor antenna, or an outdoor antenna should be installed.

INDOOR AM ANTENNA

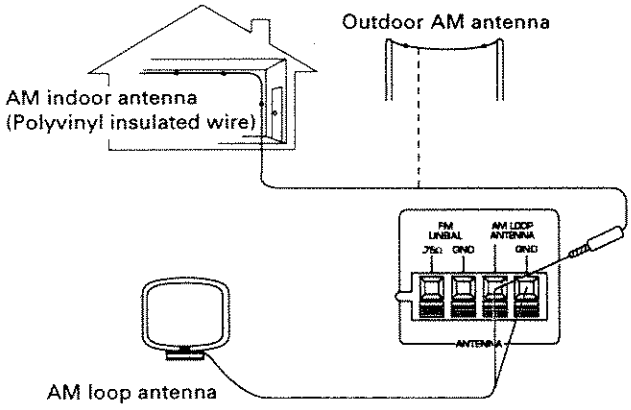
Use a polyvinyl insulated wire (5 – 6m) and connect one end to the AM antenna terminal and affix the other end to the wall or ceiling, as high as possible.

OUTDOOR AM ANTENNA

If reception quality is not improved sufficiently even when an indoor antenna is used, a polyvinyl insulated wire should be installed outside and fixed in place.

NOTE:

Do not detach the AM loop antenna when using an indoor or an outdoor AM antenna.

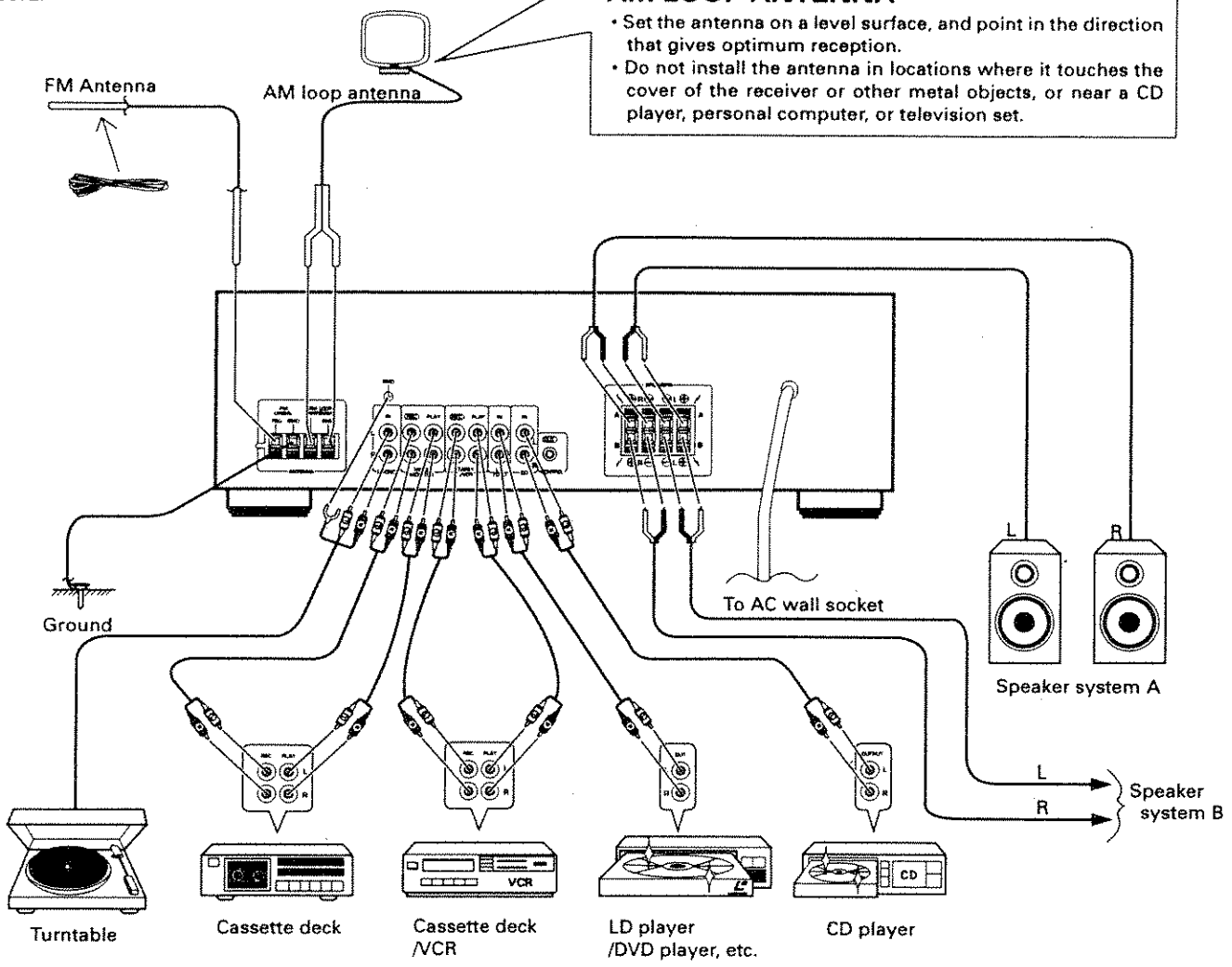


CONNECTIONS

When not using the unit for a long period, disconnect the power cord.

AM LOOP ANTENNA

- Set the antenna on a level surface, and point in the direction that gives optimum reception.
- Do not install the antenna in locations where it touches the cover of the receiver or other metal objects, or near a CD player, personal computer, or television set.

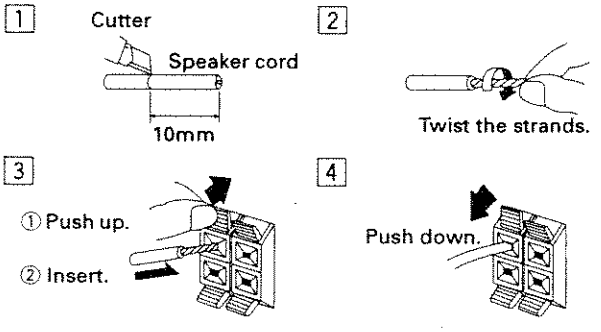


Connecting the input/output cords

When another stereo component (purchased separately) is connected, note the following instructions.

- Connect the plugs properly. Faulty connections can cause noise and also breakdowns and failures.
- The white terminal is for the left channel and the red terminal is for the right channel.

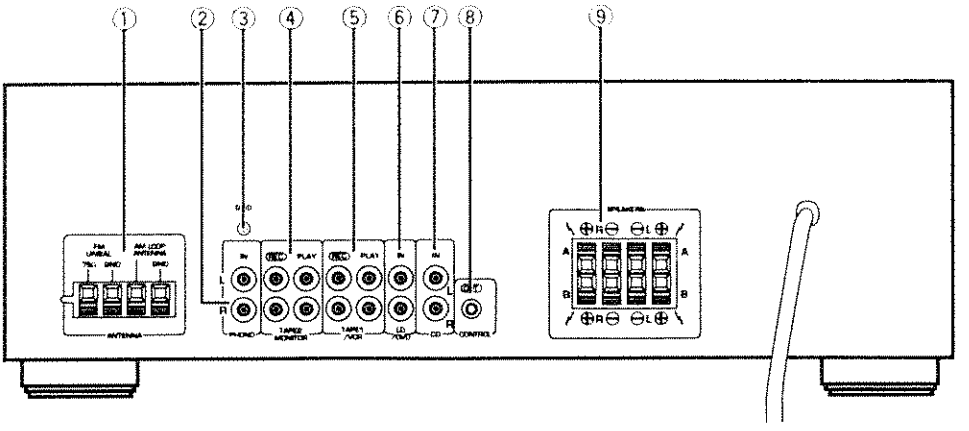
Connecting the speaker cords



NOTE ABOUT SPEAKER CONNECTIONS

- Speaker systems used with this unit should have an impedance of between 8 and 16 .
- Be sure that connections are secure. Check to make sure that wires do not protrude from their terminals.
- Do not allow the speaker cords to short-circuit. Damage may result to your unit.
- Do not attempt to connect two sets of speakers to a signal side (A or B). When using two sets of speakers, connect one set to side A and the other set to side B.

REAR PANEL FACILITIES



① FM/AM ANTENNA terminals
Use these antenna terminals for receiving FM and AM broadcasts.

② PHONO jacks
Connect to the output cables from a turntable.

③ GND terminal
Connect to the ground lead of a turntable.
Use a screwdriver to connect with the ground terminal.

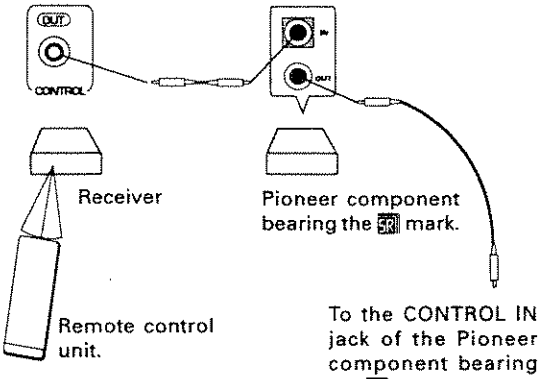
④ TAPE 2 MONITOR jacks
Connect these jacks to a cassette deck.

⑤ TAPE 1/VCR jacks
Connect these jacks to a cassette deck or video cassette recorder.

⑥ LD/DVD jacks
Connect to the output jacks of an LD player, DVD player or another unit.

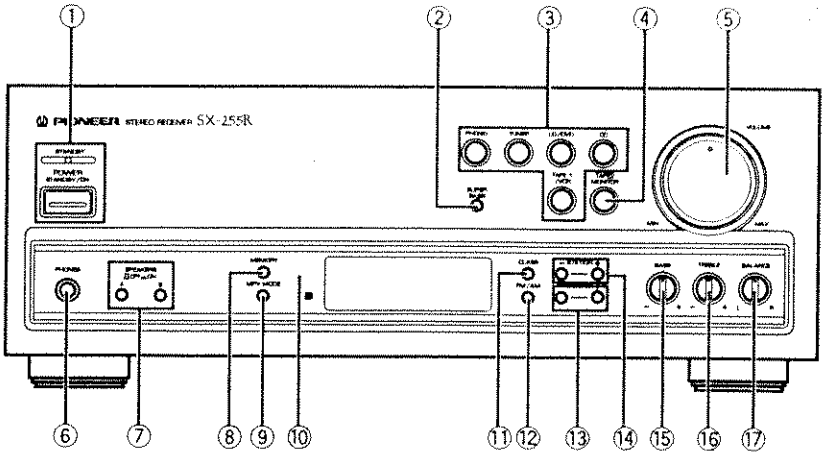
⑦ CD jacks
Connect to the output jacks of a compact disc player.

⑧ CONTROL OUT jacks
Connect this jack to other Pioneer components bearing the SR mark when using the remote control of this unit to control the other components.



⑨ SPEAKERS terminals
A : Connect to a first set of speakers.
B : Connect to a second set of speakers.
NOTE:
No sound will be heard through the speakers when both A and B buttons are depressed if only one set of speakers has been connected to either A or B SPEAKERS terminals.

FRONT PANEL FACILITIES



① POWER STANDBY/ON switch/STANDBY indicator

This is the switch for electric power.

ON: When set to the ON position, power is supplied and the unit becomes operational.

STANDBY: When set to the STANDBY position, the main power flow is cut and the unit is no longer fully operational. A minute flow of power feeds the unit to maintain operation readiness. The STANDBY indicator is illuminated during standby mode.

- The accessory remote control unit can also be used to operate STANDBY/ON.

NOTE:

When the power is initially turned ON, muting will be applied to prevent sound from being output for approx. 5 seconds.

② SUPER BASS button

When this button is pressed, the bass sound will be emphasized.

③ Function buttons

Use to select playback source.

[PHONO]

Press when listening to record playback on a turntable.

[TUNER]

Press when listening to AM or FM broadcasts with a tuner.

[LD/DVD]

Press when listening to programs from a component connected to the LD/DVD jacks.

[CD]

Press when listening to compact disc playback with a CD player.

[TAPE 1/VCR]

Press when listening to tape playback on cassette deck 1 or on a video cassette recorder.

④ TAPE 2 MONITOR button

Press when listening to tape playback and monitor the recording sound with the cassette deck 2.

⑤ VOLUME control

Use to adjust volume level.

⑥ PHONES jack

Connect the plug on your headphones to this jack. To listen to a program through the headphones, set both SPEAKERS A and B switches to the OFF position.

⑦ SPEAKERS (▮ OFF, ▬ ON) buttons

These are used to select the speaker through which you wish to listen.

A: When the speakers connected to the A terminals are in use.

B: When the speakers connected to the B terminals are in use.

- Turn both A and B speakers to the OFF position when only the headphones are in use.

NOTE:

No sound will be heard through the speakers when both A and B buttons are pressed if only one set of speakers has been connected to either A or B SPEAKERS terminals.

⑧ MEMORY button

When the unit is in the frequency display mode, pressing this button will result in the memorization of the current broadcast band, reception frequency, CLASS and FM MPX mode.

⑨ MPX MODE selector button

Use to select the auto stereo mode or monaural mode when listening to FM broadcasts. The monaural mode has been selected when the MONO indicator is lighted.

Auto stereo mode:

Normally leave in this mode for reception. When a stereo FM broadcast is received, it will be automatically reproduced in stereo sound.

Monaural mode:

When receiving distant stations or stations with weak broadcast signals, the input signal may be weak, thus resulting in increased noise during FM stereo broadcasts. In this event, setting the receiver to the monaural mode will reduce the noise. In this case, however, FM stereo broadcasts will be reproduced in monaural sound.

NOTE:

This button has no effect on reception of AM broadcasts.

⑩ Remote sensor window

⑪ CLASS button
Use to switch between preset memory classes 1 to 3. In each class, one station can be memorized in each of the 1 to 10 stations, enabling a total of 30 stations to be memorized.

⑫ FM/AM selector button
This button is used to select either AM or FM reception.

⑬ TUNING buttons (–,+)
+: The FM or AM band is scanned in the direction of increasing frequency.
–: The opposite operation to that of the UP button takes place.

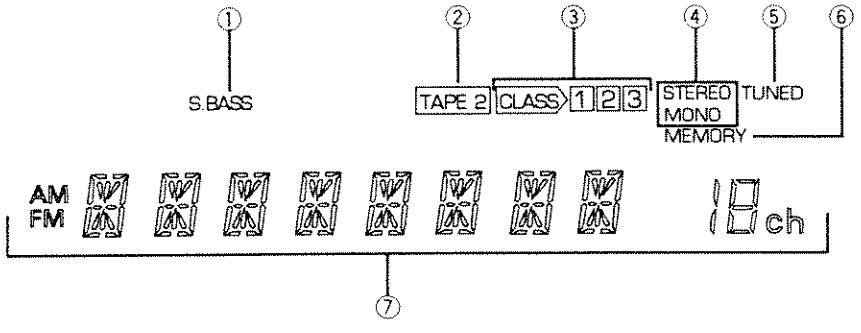
⑭ STATION buttons (–,+)
+: Stations change in order in the upward direction.
–: Stations change in order in the downward direction.

⑮ BASS tone control
Use to adjust low-frequency tone. The center position is the flat (normal) position. When turned to the right, low-frequency tones are emphasized.

⑯ TREBLE tone control
Use to adjust high-frequency tone. The center position is the flat (normal) position. When turned to the right, high-frequency tones are emphasized.

⑰ BALANCE control
Should normally be left in the center position. Adjust balance if the sound is louder from one of the speakers. If the right side is louder, turn toward the L position and if the left side is louder, turn toward the R position.

DISPLAY section



① S.BASS indicator
Lights up when the SUPER BASS button pressed.

② TAPE 2 monitor indicator
Lights up when the function buttons is set to TAPE 2 MONITOR on.

③ CLASS 1 2 3 indicator
Indicates the class selected by the CLASS buton. The current CLASS is displayed.

④ STEREO/MONO indicator
MONO : Lights up when the FM MONO mode is selected with the MPX MODE button.
STEREO: Lights up when a stereo FM broadcast is being received.

⑤ TUNED indicator
Lights up when a station is tuned.

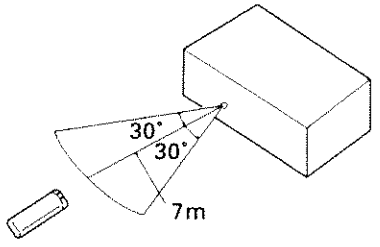
⑥ MEMORY indicator

⑦ Character indicator

REMOTE CONTROL UNIT FACILITIES

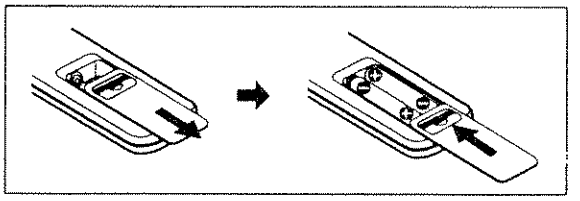
REMOTE CONTROL RANGE

When operating the remote control unit, point the front of the unit at the front panel of the receiver. The remote control unit may be used within a range of about 7 meters from the remote sensor, within angles of up to about 30 degrees.
Remote control will not be possible if there is an obstacle between the remote control unit itself and the remote sensor window in the receiver. Performance of the remote control unit is adversely affected in the presence of strong fluorescent light. Keep such lights away, specially from the sensor window.

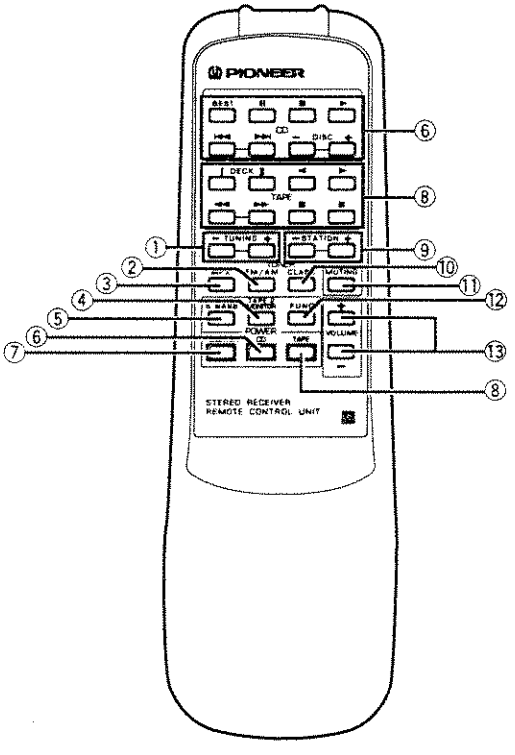


LOADING BATTERIES

1. Open the rear cover.
2. Install size "AA" (IEC R6P) batteries correctly matching the polarities.
3. Close the cover.



Incorrect use of batteries may lead to leakage or rupture. Always be sure to follow these guidelines:
A: Always insert batteries into the battery compartment correctly matching the positive (+) and negative (–) polarities, as indicated in side the compartment.
B: Never mix new and used batteries.
C: Batteries of the same size may have different voltages, depending on their type. Do not mix different types of batteries.



This remote control unit can be used to operate some functions of Pioneer SR marked CD players and cassette deck.

① TUNING –/+ button
② FM/AM button
③ MPX button
④ TAPE 2 MONITOR button
⑤ S.BASS button
When this button is pressed, the bass sound will be emphasized.

⑥ CD operation buttons
CD POWER: Turns CD player power ON/OFF.
BEST: Operate the File-type CD player with BEST play back function.
II : Pause
■ : Stop
►: Play
I◄◄,►►I : Track search
DISC –/+ : DISC selection.
NOTE:
- *Note that the DISC button on the accessory remote control unit may not function, depending on the CD player used.*

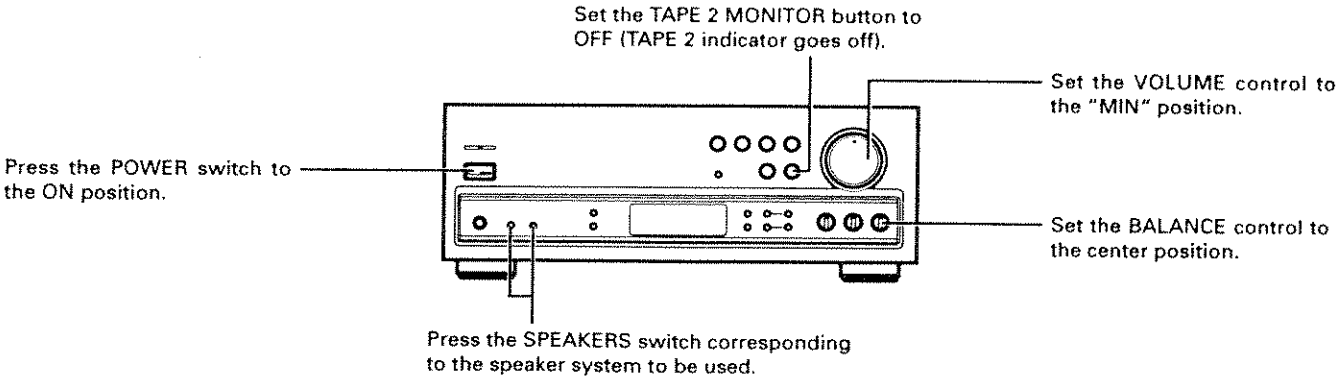
Refer to your CD player's operating instructions for details.

⑦ RECEIVER POWER button
⑧ DECK operation buttons
TAPE POWER: Turns deck power ON/OFF.
DECK I : DECK I selection.
DECK II : DECK II selection.
◄ ► : Reverse and Forward playback. (Set the function button to TAPE position.)
◄◄ : Rewind in forward mode, fast forward in reverse mode.
►► : Fast Forward in forward mode, rewind in reverse mode.
■ : Stop
II : Pause
NOTE:
- *To operate the cassette deck, first press the Deck I or Deck II button to select the desired deck. Then press the correct control buttons.*
- *To operate a single deck, first press the Deck II button. Then press the correct control buttons.*
- *Refer to your cassette deck's operating instructions for details.*

⑨ STATION –/+ buttons
⑩ CLASS button
⑪ MUTING button
Press to temporarily reduce sound. Press again to return to the original volume level.
⑫ FUNC button
Press to select receiver input.
⑬ VOLUME +/– button

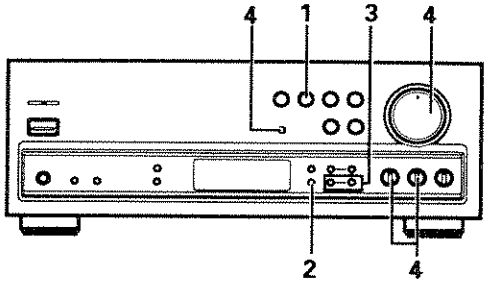
SETTING THE UNIT PRIOR TO OPERATION

• Before operating the unit, be sure to set it as shown below.


Set the TAPE 2 MONITOR button to OFF (TAPE 2 indicator goes off).
Set the VOLUME control to the "MIN" position.
Press the POWER switch to the ON position.
Set the BALANCE control to the center position.
Press the SPEAKERS switch corresponding to the speaker system to be used.

LISTENING TO THE BROADCAST

• Check that all terminals are properly connected before switching on the unit.



MANUAL/AUTO TUNING (FM/AM reception)

1. Press the TUNER button of the function buttons.

2. Press the FM/AM selector button to select your desired broadcasting band.

3. Use the TUNING buttons to locate the frequency of the desired station.

[Manual tuning] (FM/AM reception)
Press either TUNING button and release it quickly. The frequency will change by one step each time the button is pressed. Press as many times as necessary to tune in the desired station.
Steps change in the following way.
FM 100 kHz, AM 10 kHz.

[Auto tuning] (FM reception)
Press the button until the frequency starts to change, then release it. The tuner will automatically search for a broadcasting station and stop when one is found.
To search for another station, press again.

[High speed manual tuning] (FM/AM reception)
Keep either TUNING buttons pressed. The frequency changes continuously, and stops when the button is released.
NOTE:
The TUNED indicator will not function for broadcasts received over long distances or when signals are weak.

4. Adjust the volume with the VOLUME control and the tone with TREBLE tone control, BASS tone control and SUPER BASS button.

When Receiving FM Broadcasts:

• If there is too much noise during reception of an FM stereo broadcast, press the MPX MODE selector button to light the MONO indicator. Switching to monaural reception results in clearer reception.

Note on Auto Tuning

• Because of the high sensitivity of this unit, it may automatically stop even at very weak overseas stations. The same can happen with aggregate radio noise emitted in cities.
• Preset extremely weak stations with manual tuning.

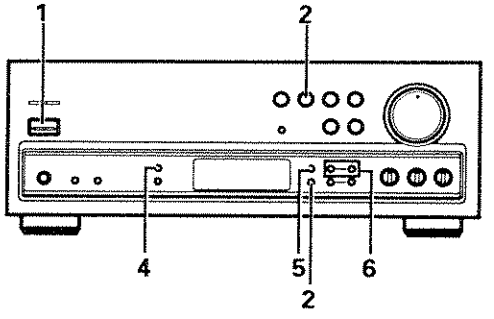
The TUNED Indicator

When the TUNED indicator is not lit, reception is not possible even if the tuning frequency is correct. This is because the antenna terminal input is too weak. Check whether the antenna cable is firmly connected. If it is, consult your nearest dealer and install an outdoor antenna.

PRESET TUNING

FREQUENCY PRESETTING

10 stations can be preset in each of the 3 classes, for a total of 30 preset stations .
CLASS 1=1 to 10 ch
CLASS 2=1 to 10 ch
CLASS 3=1 to 10 ch



1. Press the POWER switch to the ON position.

NOTE:
Be sure to turn the TAPE 2 MONITOR button OFF when listening to AM or FM broadcasts.

2. Press the TUNER button and set the FM/AM selector to either FM or AM.

3. Tune in the desired station.
- See "MANUAL/AUTO TUNING" for information on reception using the manual tuning mode.
  In addition to station frequencies, the MPX MODE (AUTO/MONO) can also be preset.

4. Press the MEMORY button.
- The MEMORY indicator will flash.

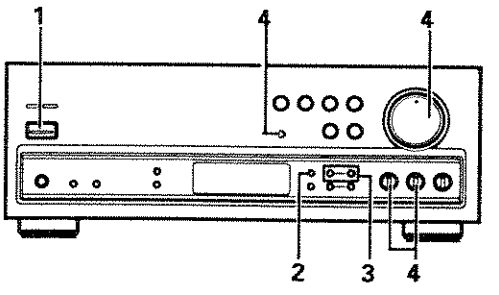
5. Select the desired class (1-3) with the CLASS button.

6. Select the desired channel with the STATION (–,+) buttons.
- Press the STATION (–,+) buttons while the MEMORY indicator is flashing (flashes for about 5 seconds).
- Use the STATION (–,+) buttons to select a preset channel.

NOTE:
Do not press buttons while the display is still flashing.

7. Repeat steps 2 to 6 to preset additional stations.
A total of 30 AM and FM stations may be preset. When you store a new preset, it takes the place of the previously stored station (if any).

LISTENING TO BROADCASTS USING PRESET TUNING



1. Press the POWER switch to the ON position.

2. Select the class number with the CLASS button.

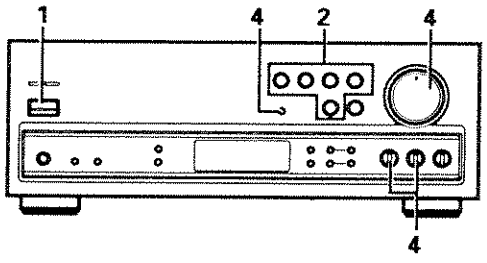
3. Select the desired preset station with the STATION (–,+) buttons.
- When the Function button is set to a function other than TUNER, it will switch to the TUNER function automatically if one of the STATION (–,+) buttons is pressed.
  Tuning can be performed simply and accurately following the above procedure.

4. Adjust the volume with the VOLUME control and the tone with TREBLE tone control, BASS tone control, and SUPER BASS button.

NOTE:
The contents of the STATION (–,+) buttons will be preserved for several days, even if the receiver power cord is unplugged.
If a preset station has been erased, preset it again.

Last station memory
The last received AM and FM stations remain stored despite Function and/or POWER switching. To recall, use FM/AM selector buttons.

TO LISTEN TO OTHER MUSIC SOURCES



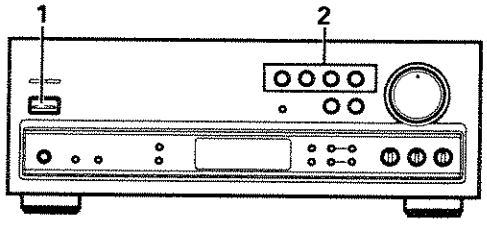
1. **Press the POWER switch to the ON position. Also turn on the power to the stereo components you wish to use.**
2. **Use the function buttons and tape monitor button as appropriate to select the desired program source.**

Select function according to the table on the right.

3. **Operate the appropriate stereo component to play back the program source.**
4. **Adjust the volume with the VOLUME control and the tone with TREBLE tone control, BASS tone control and SUPER BASS button.**

	Function buttons	TAPE 2 MONITOR button
To listen to TAPE 1/VCR	TAPE 1 /VCR	OFF
To listen to a tape on the cassette deck connected to the TAPE 2 MONITOR jacks.	—	ON
To listen to records	PHONO	OFF
To listen to the component connected to the LD/DVD jacks	LD/DVD	OFF
To listen to a CD	CD	OFF

TAPE RECORDING



You can record an FM or AM broadcast, or a sound source connected to the LD/DVD, CD, or PHONO terminals.

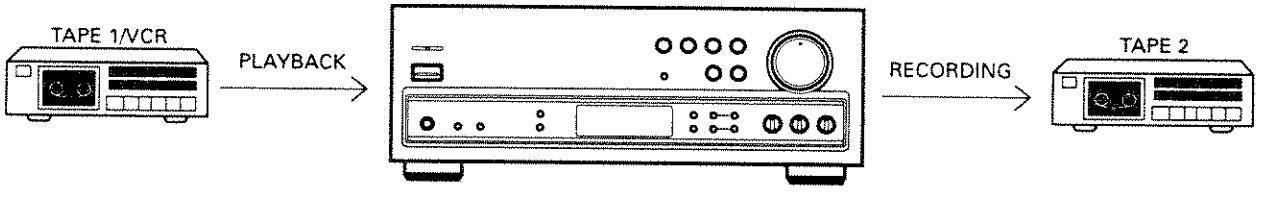
1. **Press the POWER switch to the ON position.**
2. **Select the sound source to be recorded.**
3. **Operate the cassette deck connected to the TAPE 1/VCR or TAPE 2 MONITOR terminals.**
4. **Turn on (or start) the sound source to be recorded.**

• For details of operating the cassette deck, read the operating instructions of the cassette deck.

COPYING TAPES

When two cassette decks are used, the sound played back on the deck connected to the TAPE 1/VCR jacks can be recorded on the deck connected to the TAPE 2 jacks.

• To make a tape copy with contents identical to the original tape.
• To edit a recording of an FM broadcast in order to cut out unwanted commercials, recording only the desired material onto another tape.



[When using two cassette decks]

1. **Load the playback tape (i.e. the pre-recorded tape) in the deck connected to the TAPE 1/VCR jacks, and the non-recorded in the other deck connected to the TAPE 2 jacks.**
2. **Press the TAPE 1/VCR button.**

3. Operate the cassette decks to begin copying.

Set the cassette deck with the non-recorded tape to the recording mode, and set the cassette deck with the original tape to the playback mode.

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used if the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Cause	Remedy
Power does not come on even when the POWER switch is pressed.	• Power cord is disconnected.	• Connect cord securely.
No sound is produced, even when the Function switch is selected.	• VOLUME control is set to MIN. • Speaker connecting wires are disconnected from speaker terminals. • One or both of the input cords are disconnected. • TAPE 2 MONITOR button is in the ON position. • Speakers buttons are in the OFF position.	• Turn the VOLUME control toward the right. • Connect wires to terminals securely. • Connect input cords securely. • Press the button to OFF position. •Press the button to ON position.
Sound is produced from one speaker only.	• BALANCE control is set too far to one side or the other. • One of the speaker connecting wires or input cords is disconnected.	•Set BALANCE control to center position. • Connect wires and cords securely.
Noise is produced during reception of AM broadcasts when the POWER switch of other components is turned ON or OFF.	• AM loop antenna picks up electrical noise created by switch contacts.	• Place AM loop antenna as far away as possible from this and other components.
High noise level.	• Station has not been tuned in to correct frequency. • Antenna has not been connected or has become disconnected. **FM reception** • Accessory FM antenna remains bundled up. • Weak broadcasting station signals. • Noise picked up from other equipment (or, in particular, from passing automobiles). • Multipath results when signals from a broadcasting station are mixed with signals which have been reflected by mountains or high buildings on their way to the antenna. This results in distorted sound and noise. **AM reception** • AM antenna not pointing in right direction. • Weak broadcasting station signals. • Noise being picked up from other equipment (especially electrical appliances using a motor, or fluorescent lights).	• Tune the station correctly. • Connect the antenna securely. • Stretch the antenna taut and locate in direction yielding optimum reception. • Replace accessory FM antenna with outdoor FM antenna. • Try altering direction and mounting position of antenna. If an outdoor antenna has been erected, place it as far as possible from passing traffic and replace the connecting cable with a 75 Ω coaxial cable. • Change AM antenna's direction and find a position where reception is improved. • Erect outdoor AM antenna or connect ground wire. • Stop using appliances generating noise or remove them from the vicinity of the stereo equipment.
Remote control does not work.	• Batteries are dead or no batteries in remote control unit. • Poor angle or too great a distance from the remote sensor window. • There is an obstacle between you and the remote sensor window. • For CD players and cassette decks, the remote control cord is not connected. • A fluorescent light is shining on the remote sensor window.	• Insert new batteries. • Use within 7 meters (23 feet) and within a 30 degree angle of the remote sensor window. • Change your position or move the obstacle. • Connect the remote control cord correctly. • Turn off the light.

Abnormal functioning of this unit may be caused by static electricity, or other external interference. To restore normal operation, turn the power off and then on again, or unplug the AC power cord and then plug it in again.